

FILE COPY

April 21, 1986

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To: Technical File (Non-Coal)
FROM: David Cline, Reclamation Hydrologist *DSC*
RE: Determination of Completeness for Reclamation/Stabilization Plan for Carr Fork and IS&R Tooele Smelter, Anaconda Minerals Company, ACT/045/004, Tooele County, Utah

Summary:

On March 4, 1986 the JBR Consultants Group submitted a Reclamation/Stabilization Plan for Carr Fork and IS&R Tooele Smelter for Anaconda Minerals Company. The Division reviewed the plan and met with Brian Buck, Carla Knoop and Clark Lin of JBR on March 27, 1986 to discuss the completeness of the plan. The Division discussed the deficiencies of the plan with JBR and on March 11, 1986 Brian Buck and Clark Lin delivered their response to the Division in a meeting with Dave Cline, Rick Summers and Randy Harden. Most of the deficiencies were addressed in the meeting, however, three items requested by the Division have not been submitted to date. Therefore, the plan cannot be considered complete until the requested information has been submitted.

Body:

At the meeting with JBR consultants and the Division on March 27, 1986, the Division requested the following information:

1. Rule M-10(11)

The Reclamation/Stabilization Plan did not include a post reclamation water monitoring plan for suspended sediment. The Division recommended that a plan be submitted that would monitor suspended sediment leaving the reclaimed areas. A single stage sampler located below the Carr-Fork tailings and one located in the upper reaches of Dry Creek

above any reclamation activities was suggested. JBR agreed to the incorporation of such a monitoring plan and stated that it would be included in the final plan.

2. Rule M-10(8)

The Division requested additional information concerning the design of the Dry Creek channel. In particular, information about the expected velocities and channel lining designs was requested.

A Manning's n value of 0.13 was used for several sections of Dry Creek in the design of the reclaimed channel. The Division requested that a justification for these high Manning's n values be provided.

Additionally, the hydrologic soil groups for all contributing watersheds were not included in the derivation of curve numbers used to compute peak flow values. The Division requested that the hydrologic soil groups be included in the plan in the sections that curve number derivations are located. JBR indicated that the above requests would be forwarded to the Division for review prior to inclusion into the final plan.

3. Rule M-3(F)

The Division requested that all known water wells with water rights be located in the vicinity of the smelter site. The locations of the wells were to be located on a map along with a narrative describing the associated aquifer, owner of the well, water levels and available water quality information. JBR indicated that it would contact the State Engineers Office and locate all wells in the area and include their locations and physical descriptions in the final plan.

On April 11, 1986 JBR met with Division representatives and presented information concerning the design calculations in Dry Creek and the methodology used to determine the high Manning's n values. JBR also stated that the post reclamation water monitoring plan, the hydrologic soil groups and State Engineers records would be forthcoming. To date these three items have not been submitted. However, during a phone conversation between Brian Buck of JBR and

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Dave Cline of the Division on April 21, 1986, Mr. Buck indicated that these items would be submitted the week of April 21, 1986. The Division hydrologists will consider the plan to be complete upon submittal of the above information.

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CC: Sue Linner